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	Application No.	Applicant(s)
Notice of Allowability	10/625,687	YAMAMOTO ET AL.
	Examiner	Art Unit
	Tuan N. Nguyen	2828
The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communication IGHTS. This application is subject	pplication. If not included on will be mailed in due course. THIS
1. This communication is responsive to <u>09/16/2005</u> .		
2. The allowed claim(s) is/are <u>1-33</u> .		·
 3.		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 06/06/2005 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summar Paper No./Mail D 08), 7. ☐ Examiner's Amend	ate

Application/Control Number: 10/625,687

Art Unit: 2828

DETAILED ACTION Response to Amendment

1. In responding to applicant's response to amendment filed 09/16/2005, claims 1, 7, and 23 have been amended. Claims 32, and 33 have been added.

REASON FOR ALLOWANCE

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance - Applicant's response filed on 05/12/2005 has been considered, with respect to claims 1, 7, 13, 18, and 23 the references of the record fail to teach or suggest a semiconductor laser and the method of fabricating the semiconductor:

Claims 1, 7, 23:

A surface emitting semiconductor laser comprising a substrate, an active region and a current confinement layer included a partial or selective oxidized region disposed between first and second mirrors, a messa structure including at least the second mirror and confinement layer, and an inorganic insulation film covering at least a side surface of the mesa structure and having an internal stress controlled by a source gas mixed with a dilution gas and equal to or less than $1.5x10^9$ dyne/cm².

Claims 13, 18:

A surface emitting semiconductor laser comprising a substrate, an active region and a current confinement layer included oxidized region disposed between first and second mirrors, a messa structure including at least the second mirror and confinement layer, and *an inorganic*

insulation film covering at least a side surface of the mesa structure, including a laminate of a first insulation film having tensile stress and a second insulation film having compressive stress.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F: 7:30 - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harvey Minsun can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Tuan N. Nguyen

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